19980331.qrp v01_n046.qrs.980331

Date: Tue, 31 Mar 1998 19:05:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1046

QRP-L Digest 1046

Topics covered in this issue include:

  1) [7248] Color codes on coils
     by mcveyp@kingman.com
  2) [7249] Re: Insulated Antenna Wires
     by Ward Hill <w_hill@ns.net>
  3) [7250] RE: Grounding antennas
     by "Caro, Carlos" <carlos.caro@lmco.com>
  4) [7251] RE: Insulated Antenna Wires
     by "KA5T Larry Wise" <lewise@inetport.com>
  5) [7252] Mobile antenna debate
     by jim nestor <nestoji@home.com>
  6) [7253] Re: Grounding antennas
     by "Ken Hanks" <kennfd@ibm.net>
  7) [7254] RE: Insulated Antenna Wires
     by Kevin Muenzler - WB5RUE <wb5rue@stic.net>
  8) [7255] Re: NN1G, WJ2V, and K5FO SW-40+
     by "Alan Kaul" <alan.kaul@worldnet.att.net>
  9) [7256] Another good bug story
     by Jess Gypin <jessqrp@concentric.net>
 10) [7257] Re: Insulated Antenna Wires
     by "George T. Baker" <w5yr@swbell.net>
 11) [7258] QRP A>T>U and SWR Bridges (long)
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 12) [7259] Re: TenTec kits
     by "Dan Hogan" <dhhogan@lightside.com>
 13) [7260] TenTec 1202 Wattmeter review
     by D Bullard <dbullard@peachnet.campus.mci.net>
 14) [7261] Re: NN1G, WJ2V, and K5FO SW-40+
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 15) [7262] Re: Grounding antennas
     by K5BDZ <K5BDZ@aol.com>
 16) [7263] Re: 10-meter beam wanted
     by nilsbull@juno.com (Nils R Young)
 17) [7264] antenna thread
     by "edwin a. crowell" <w5twr@rconnect.com>
 18) [7265] RE: Insulated Antenna Wires
     by Robert Parks <rob3ert@vegas.infi.net>
 19) [7266] RE: Insulated Antenna Wires

    by Monte Stark <ku7y@dri.edu>
20) [7267] Re: Grounding antennas
    by B1ljohn <B1ljohn@aol.com>
21) [7268] Re: Grounding antennas
    by B1ljohn <B1ljohn@aol.com>
22) [7269] Re: 10-meter beam wanted
    by Vic Rosenthal <rakefet@rakefet.com>
23) [7270] golly gee, would this work?
    by Walt Amos <waltk8cv@ameritech.net>
24) [7271] Re: Knightlights trip to CORE BANKS
    by George Gingell <k3tks@u1.abs.net>
25) [7272] Re: TenTec kits
    by GERALDCUND <GERALDCUND@aol.com>
26) [7273] Fox Hunt Memories...
    by Joe Gervais <vole@primenet.com>
27) [7274] Re: WTS(wap) Turbine and constant speed drive for R390A
    by victnr@juno.com (Victor E Turner)
28) [7275] Re: antenna thread
    by "edwin a. crowell" <w5twr@rconnect.com>
29) [7276] Portable Antennas
    by w2bj@juno.com (Barry J Minsky)
30) [7277] Elmer 101: order reminder
    by Michael Maiorana <mikemo@ibm.net>
31) [7278] Operation Core Banks: Complete ZILCH
    by "Tom Morgan" <liveoak@sccoast.net>
32) [7279] Re: Insulated Antenna Wires
    by Greg Weinfurtner <gweinfurt1@ohiou.edu>
33) [7280] Re: Elmer 101: order reminder
    by Michael Maiorana <mikemo@ibm.net>
34) [7281] RS Frequency Counter Wanted
    by Stewart Whitehouse <STEW_W@compuserve.com>
35) [7282] Question
    by E L D <wd7y@pyramid.net>
36) [7283] NOVICE/TECH+ FOXHUNT SCORES - FINAL
    by adams@chuck.dallas.sgi.com (Chuck Adams)
37) [7284] RE: Grounding Antennas
    by jdenison@morelr.com (JOEL DENISON)
38) [7285] A.T.U ans SWR Bridge
    by Fred Lesnick <flesnick@Quetico.tbaytel.net>
39) [7286] CQ WPX with HP200LX
    by flydnq7x@primenet.com (Floyd Smithberg)
40) [7287] CW filter for IC-706--results
    by David Ek <ekdave@earthlink.net>
41) [7288] grounding antennas
    by ac5ez@webtv.net (Larry B)
42) [7289] Looking for code course on CD
    by Pierre Constantineau <pierre@cmpe.ubc.ca>
43) [7290] porta-pwr

    by dave_epps@juno.com
 44) [7291] Re: Operation Core Banks: Complete ZILCH
    by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
 45) [7292] QRP DVM
    by Chuck Carpenter <w5usj@webwide.net>
 46) [7293] Thunderstorms?
    by Bill Crowley <bcrow@Carte.Net>
 47) [7294] duplexers
    by "JUNIUS B FOX" <w5hir@gte.net>
 48) [7295] 300 MHz, 10:1 Scope Probes: TRADE?
    by Ed Loranger <we6w@qsl.net>
 49) [7296] RE: grounding antennas
    by Kevin Muenzler--WB5RUE <wb5rue@stic.net>
 50) [7297] Re: golly gee, would this work?
    by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
 51) [7298] Re: AZ Hound Report
    by flydnq7x@primenet.com (Floyd Smithberg)
 52) [7299] Re: Grounding Antennas
    by B1ljohn <B1ljohn@aol.com>
 53) [7300] Fox hunt season closes
    by "Michael A. Gipe" <mgipe@reliablemeters.com>
 54) [7301] CQ RI, WAS
    by Bob <hb_elec@ids.net>
 55) [7302] Advice on new rig,Yaesu 920??
    by "ukii" <ukii@megsinet.net>
 56) [7303] Re: Fox hunt season closes
    by Joe Gervais <vole@primenet.com>
 57) [7304] Re: Advice on new rig,Yaesu 920?
    by Joe Gervais <vole@primenet.com>

Date: Mon, 30 Mar 1998 17:15:53 -0700
From: mcveyp@kingman.com
To: qrp-l@Lehigh.EDU
Subject: [7248] Color codes on coils
Message-ID: <199803310015.RAA09265@kingserv.kingman.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

        By my own admission, I am becoming decreasingly misinformed about electronics and ham radio. What I lack in sheer electronic understanding I make up for in dogged determination. So, now I am carefully bending leads with needle-nose pliers having eschewed the cost of benders & crimpers. I can grasp difficult theories on one level yet completely miss obvious nuances in simpler areas. I push for the summit not because I want to be there but because I want to come back and tell you of the knowledge and wonders experienced.

Next question. I am converting a 20 meter QRP kit to a 40 meter.
Part of this, involves finding five adjustable inductors:
4@ 5.0 ph (BLUE)
1@ 12.6 (GRAY)
My plans call for adjustable inductors but Mouser Elec. lists "tunable coils."
Are these the same?
Who stipulates the color code for inductors?
If you have any constructive feedback I'd like to hear it. I'm just a regular guy trying to make sense of this fascinating field. The only return favor I can promise is that I will freely share this information with someone else with the added proviso that they likewise share it.
Patrick McVey, KC7AIR, mcveyp@kingman.com, Kingman, Arizona

Date: Mon, 30 Mar 1998 16:20:24 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-l@Lehigh.EDU
Subject: [7249] Re: Insulated Antenna Wires
Message-ID: <l03130300b145e6dfa6fc@[207.159.15.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Maybe my 40A will do a lot better if I get out and strip off the insulation. It should be good for another 4 or 5 S units.

Ward, WA6FUH
qrp-l #1117
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Mon, 30 Mar 1998 15:41:25 -0700
From: "Caro, Carlos" <carlos.caro@lmco.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'wb5rue@stic.net'" <wb5rue@stic.net>
Subject: [7250] RE: Grounding antennas
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB0A83B2@emss02m14.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain

> .On B1ljohn@aol.com, B1ljohn wrote:
> > For what it is worth. An old friend in the TV business once told me he
> never
> > had a tv antenna struck by lightening. His secret . . . he never
> grounded
> > them. He said to do so provided a path.
>
I believe that everyone here can tell stories about lightning srtikes and
the wierd things that can happen. Two issues that dont get much press are 1:
Multiple conductors to multiple ground rods, one aint enough ! and 2:
Bonding,- silver solder, braze or weld the connection. The amperage involved
will make a screw on contact that has weathered explode just like a fuse.

     Regards, Carlos KB0REI

Date: Mon, 30 Mar 1998 23:32:04
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [7251] RE: Insulated Antenna Wires
Message-ID: <199803310033.SAA16049@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Mon, 30 Mar 1998 17:03:38 -0600, Kevin Muenzler--WB5RUE wrote:

>   ... I wouldn't put up an antenna with
>stranded-bare wire, if there is such a thing. ...

What other kind is there??? :-)
Haven't you ever been to radio shack?????   :-)

I've been using their bare stranded antenna
wire since before it only came in 50 ft rolls... (They finally made the rolls 70
ft)

I've used 18 ga copperclad fence wire (when you could buy a quarter mile for about
12 dollars)...
I've used 12 ga copperclad (ugh... stiff) ....
I've used 14 ga copperclad....
I've used 14 ga copperclad made up of seven strands of copperclad....
I've used 18 ga insulated stranded wire (unknown source)....
I've used 12 ga insulated stranded wire (unknown source... was under the bench)
I've used bits and pieces of whatever I could find under the bench to throw

together
  a temporary 80 m dipole...
I've used house wiring....(Solid soft wire does not have the best
longevity.. :-))

Did I mention that in about 40 years of hamming that I have mostly had temporary
wire antennas???

My standard 'get one on the air quickly' antenna is a coax dipole cut to 468/mhz
ft plus
a few feet(about 10 if its 160)....solder on some RG-8 type coax and use some
type of
center insulator, making a big loop of coax there with the connecting ends hanging
down...
(Don't tell anyone, but I've been known to use that big loop to hoist it into
position....
another benny of using fat coax....usually run a strain relief cord down to the
insulator....)

(If you're really in a hurry and don't even have time to calculate or look at the
chart in the
handbook, use 67 ft for 40 m (CW end, what else?) .... ratio up or down for the
other bands....
You'll have do some mental guessing for the WARC bands, or just memorize the 468/
mhz
number for them...only 3 of them   :-)   )

Solder the center connections all up and gook and tape til you are satisfied it's
water
tight... (:-)   ) I use LOTS of tape.... good 3M electrical tape stretched
tight in the beginning
then looser as you get the the final wrap....

Fold the ends around the end insulators at about where you think it will finally
end up,
(I start at the length I calculated with 468 over mhz)
don't kink it too tight til later....(I usuallly use egg insulators for all three
insulators, but
I have used dogbones for the center, and on occasion, when out of insulators used
nylon twine for the end insulators....(for TEMPORARY temporary antennas)) Wrap
all
the loose wire on the ends back loosely around the antenna.... don't let it
hang....

Hoist the thing into position, run the coax to the shack, solder the connector on
the coax,
(once in the shorted /open mode for practice, then once more carefully and
correctly)

Do your favorite 'find the resonant point' dance (MFJ-259, tune dip, tune dip ... whatever)

Look at where the resonant point is, use 468 over that mhz and compare it to the length
you originally take the difference and guess the amount to shorten or length the antenna...
Or... just shorten it or lengthen as appropriate, some swag and continue....Keep track of
which way you're going....(I use the binary search method myself... Chuckmeister could
probably cogently tell us why that method will get you done the fastest...)

Go haul it back down and iterate on the last four steps until you're satisfied with where it is
in the band...

Now go haul it back down one more time and finalize the ends.....Giving and extra twist
on the wire at the insulator and taping the loose stuff 'permanently' in place if you don't
want to cut it, or cut off the extra, solder the ends up nicely and tape the twist...

Now one more time...haul it back up into position and tie off the ends so that you are satisfied
with them......

Go enjoy your new temporary temporary, or temporary (or sometimes t3) antenna....

Now the really quick version of this is to skip the testing iteration and just tie it off at the
468 over mhz ft length and hoist it up and use it... with a tuner if necessary... Down side
is that due to all the usual variables you may have missed the band by enough to have
undue loss....Not really wanted with any operation, but especially with QRP ops....

Of course this is the center support version... Much to be preferred over the end supported
version when you use fat coax as opposed to thin coax.....

Larry's 'How to get an antenna up to get on the air quickly'.... Of course this is only the
how to cut the antenna part....I think the 'how to get the support lines into space' has been

covered variously by the Spud Crew, Bow and Arrow Crew, Slingshot Crew, Fishing Pole
Crew...and possibly others..... :-)

Was I commenting bare stranded wire??? Yep, it's made for antennas and all kinds of other
applications....

I do like to stick with copper if at all possible.....but.....another story....

Larry KA5T

Georgetown, Texas
lewise@inetport.com

Date: Mon, 30 Mar 1998 19:39:17 -0500
From: jim nestor <nestoji@home.com>
To: qrp-l@Lehigh.EDU
Subject: [7252] Mobile antenna debate
Message-ID: <19980331004136.AAA13229@cc652944-a.ewndsr1.nj.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP folk, here's a different twist on some antenna queries. I can't wait to here the responses.

Last Summer, I used the LDG QRP autotuner for camping with a variety of end-fed wire, including the famoust W3EDP.

Since the LDG is billed as strictly a coaxial balanced tuner, I brewed up a couple of baluns, a 4:1 and a 1:1 to try with the end-fed wires. Both seemed to work well, and the LDG would easily load up the wires on 'bout any band from 160-10.

I also tried it with a Black Widow 20' fiberglass pole with anywhere from 20-33 feet of wire wrapped around the pole and extending out sort of inverted L'ish. I made a fitting for the bottom of the Black Widow with a Hustler Quick-Disconnect so I could quickly remove the hamstick on the back of the Blazer and pop on the fishing pole.

Again, the LDG and either of the baluns seemed to handle the wires and I had some FB QRP QSOs on SSB and CW.

Here's the query part.

Originally, I had the LDG in the back of the Blazer and ran about 6 feet of RG-58 through the taigate to a PL-259 screwed onto the standard mobile mount.

I know.... that's not the way to do it.... and it probably won't work on anything but the band on which the Hamstick is resonant. But, I was in a hurry and it worked FB on 17m which was the band of my current desire.

It also seemed to (1) load up OK (as defined by <2:1 SWR) and (2) actually work on a couple of other bands.

Today, I connected the !;! balun to the LDG, fed the coax through the tailgate and connected it to the mobile mount coax connector.

BUT, I connected the coax to the center pin of the SO-239 with a bananna plug, and ran a short jumper from the shield of the coax to a ground point on the mounting bracket. The stub of coax betwen the balun and the connector is about 2" long. I guess all I've really done so far is insert the balun in-line and reduced the lenght of the stub.

However, the LDG now seems to load the Hamstick easily on all bands from 40-10m. In fact, I can swap different hamsticks, or even use a CB whip and it seems to tune up OK.

Questions:

(1) can I expect to work anybody with this short end-fed vertical?

(2) will it work better or worse if I disconnect the ground from the car body?

(3) what effects does the amound of inductance in the baseloading part of the Hamstick have?

Obviously, the goal is to create a mobile antenna which will work on all bands without swapping hamsticks or manual retuning. I know there ain't no free lunch but....

This ham radio stuff will make you weird....

73/72.

Jim, WK8G/2
nestoji@home.com

Date: Mon, 30 Mar 1998 19:41:46 -0500
From: "Ken Hanks" <kennfd@ibm.net>
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7253] Re: Grounding antennas
Message-ID: <01bd5c3d$c8e42fc0$LocalHost@kh>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Kevin:

Good point about lightining finding\making it's own path. Last summer, we had at least 10 houses hit with lightning inside of 15 minutes. One of the strikes hit a 60' maple tree, followed it down until it hit the clothes line (cotton rope) traveled the line about 40' to the house and arced to the aluminum siding. The occupants of the house had just sat down to dinner in an enclosed porch about 10' from the clothes line pulley. No one was hurt, but they will not be eating outside during a T-Storm again.

I have also seen TV antennas hit that not only were not grounded, but were not even hooked up. The feed line melted and arced to the house at several points. Sometimes it hits the ground and travels (looks like the trail a mole will leave) until it hits something else.

73, Ken Hanks K1XS@ibm.net

Date: Mon, 30 Mar 1998 19:13:38 -0600
From: Kevin Muenzler - WB5RUE <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7254] RE: Insulated Antenna Wires
Message-ID: <01BD5C0F.F267DDC0@SA5399-1-16.stic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On lewise@inetport.com, KA5T Larry Wise[SMTP:lewise@inetport.com] wrote:
> On Mon, 30 Mar 1998 17:03:38 -0600, Kevin Muenzler--WB5RUE wrote:

>
> >   ... I wouldn't put up an antenna with
> >stranded-bare wire, if there is such a thing. ...
>
> What other kind is there??? :-)
> Haven't you ever been to radio shack?????   :-)
...

>
>
> Larry   KA5T
>
> Georgetown, Texas
> lewise@inetport.com
>
>
>
>

I thought of that just as I hit the send button. :-/
I was thinking of smaller gauge stuff. Most of my stuff is stranded/insulated stuff because it's readily available to me. My father-in-law is an electrician and many times they will use 300' out of a 500' role and because of local codes they can't splice the smaller sections together to make long ones so they just throw it away. Thus I have lots of rolls of #14, #12 and such polonium wire that makes excellent antenna wire.

Kevin, WB5RUE

Date: Mon, 30 Mar 1998 17:15:51 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <adams@chuck.dallas.sgi.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7255] Re: NN1G, WJ2V, and K5FO SW-40+
Message-ID: <19980331011431.AAA14676@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Chuck Adams <adams@chuck.dallas.sgi.com>

> My guess is, that in order to make the largest number
> of contacts possible, should we consider an exchange
> of RST, Name, and State? Somewhere between a DX
> contact during a pileup of only an RST report and
> shorter than the SS or FOXHUNT exchange? This is not
> a contest, so relax and don't put the pressure on us.
>
Just a thought, but since everyone is working only three stations, why not have the three stations issue a serial number starting with 001, 002, etc., and a report (i.e.....569001, etc) And that way, if we are lucky enough to work Chuck, Preston or Dave, we'll have an instaneous idea of how you three are doing!

73/72 de Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/qrp.html

Date: Mon, 30 Mar 1998 18:29:00 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [7256] Another good bug story
Message-ID: <352046DC.4F1AFAF5@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

There is yet another good bug story on the web page
http://www.qsl.net/n0tfi/bug.html

If there are any of you out there that cannot get HTML or have web access, let me know and I will email copies of the stories to you.

Best

--
Jess N0TFI <><
http://www.concentric.net/~jessqrp Personal Home page
http://qsl.net/N0TFI Fox Audio Page

Date: Mon, 30 Mar 1998 19:40:19 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: FrConrad@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7257] Re: Insulated Antenna Wires
Message-ID: <35204983.F63B1270@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In a few words, none of that matters. Any wire, any insulation - hook it
up and go!

FrConrad wrote:
>
> CQ QRPeople,
>
> Not to detract from the scintillating discussion about lightening strikes...
>
> But....
>
> I getting ready to build a G5RV for portable operation. I've seen it said
> (mixed metaphor if I've ever written one) that insulated wire will work as
> well for an antenna as bare wire. This would be great because insulated wire
> is a lot easier to find and to handle. However, using an insulated antenna
> has a faint smell of "snipe hunt" about it. Are you sure it will work?
>
> All opinions welcome.
>
> Also, what about wire diameter (guage) and stranded vs solid?
>
> Tnx es 72,
>
> John+
> WB6MFS

--
72/73, George
Amateur Radio W5YR (since 1946)
QRP-L #1373 QRP ARCI #9583
AutoPOWER Systems
Fairview, TX (30 Mi. N. of Dallas)

Date: Mon, 30 Mar 1998 20:32:56 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:flesnick@Quetico.tbaytel.net" <flesnick@Quetico.tbaytel.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,
     QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [7258] QRP A>T>U and SWR Bridges (long)
Message-ID: <199803302035_MC2-3873-416B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Fred:

I use several different pieces of gear, depending on the situation: Emtech ZM-2, Emtech ZM-1 + N7VE visual SWR indicator, and MFJ-971 QRP tuner. Also have a Rainbow tuner, but don't use it as often as expected, because I need multibands. NOTE: the MFJ only comes fully assembled.

Bought the MFJ when I first returned to active hamming 18 months ago (after a 33 year break!). It did a good job, and comes complete with crossed SWR meters, etc. Fairly compact, light-weight and durable. Has connectors for all kinds of antennas and feedlines. Never found anything it wouldn't load. Worked over 50 countries using it with 2-5 watts. But it is not a kit, of course.

Then came the Emtech series of kits. Started with the ZM-1 + N7VE . This is a great tuner, easy to use, extremely compact and lightweight. The N7VE gives you a *tiny* indicator, etc. You do need to remember all the connectors if you build it as a separate piece, etc. (Experience speaking!) It is highly efficient and *FAST* to use. Plus the N7VE gives a partial dummy load while you are tuning the ZM-1, offering some protection for those finals.

The ZM-2 has become my tuner of choice. Has all the attributes and virtues of the ZM-1/N7VE combination--but it is now all in a single case the size of the ZM-1. Wouldn't have anything else now. Works FB with all my rigs, even the home station. Cannot say enough about this tuner. It is for QRP only.

Got it about the time the FOX Hunts began last Fall. Gotta tell ya, I believe it made all the difference at K0EVZ. Last FOX season managed only 8.5 FOXes, but this year improved to 37 General+. The only real difference I can see is the ZM-2. Also used as a 1997/1998 FOX, with gratifying results.

Remember this word "efficient" in connection with the ZM-2. Use it
with all my antennas, from the GAP to the HB dipole fed with 300-ohm
window line to a variety of LW's including the W3EDP.

This is my $.02 worth. Doubtless others will offer their thoughts. Good
luck in the search.

72/73,
--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
  nj-qrp 69 ak/qrp 139 ar/qrp 73 hi/qrp 30 ARCI 9398 CQC 29305
  ARRL DXCC 143/85 Grid EN34 <>< FOXes 3/18/98 = 37. A 1997/98 FOX.

 Omni V   Corsair I   Yaesu FT-900CAT   Icom 730   Wilderness Sierra
  49er SW-40 Mercury Paddles Schurr Paddles Emtech ZM-2 MFJ 259
   MFJ 941D Matchbox GAP Titan TNT/2 Windom SLV/W6MMA G5RV
    Timewave 599zx RS DSP-40 OHR SCAF

 "Things should be as simple as possible, but no simpler"--A. Einstein

----

Date: Mon, 30 Mar 1998 17:53:43 -8
From: "Dan Hogan" <dhhogan@lightside.com>
To: qrp-l@Lehigh.EDU
Subject: [7259] Re: TenTec kits
Message-ID: <199803310150.RAA09054@mail.lightside.com>

Steve:

The Ten-Tec 1340 is a VERY full board. I would not recommend it as
a first kit. Try OHR, An SWl, or EMTech as a first kit.

Steve wrote:

> Gang
>   I am thinking about buying the Tentec 1340 kit Can any one give
> me the scoop on this kit?? This will be my first attempt at kit building!!
>   Thanks Steve Kb4pth
>
Dan Hogan WA6PBY
ARRL-VE*QRP-L*QRP-ARCI*NorCal*CQC*Fists*G-QRP*ARS*

Date: Mon, 30 Mar 1998 20:59:23 -0500 (EST)

From: D Bullard <dbullard@peachnet.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [7260] TenTec 1202 Wattmeter review
Message-ID: <199803310159.UAA03835@aus-c.mp.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For another short but interesting review of the TenTec model 1202 Wattmeter
you can check out The Athens (Georgia) Radio Club web site at:

<http://www.qsl.net/wa4bkf>

You can jump there from the web site's main page. You may have to
scroll down the page to get to the 1202 info.

72,

Don WA4IML

Date: Mon, 30 Mar 1998 21:07:35 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:alan.kaul@worldnet.att.net" <alan.kaul@worldnet.att.net>, "Doc W.D.
Lindsey/K0EVZ" <70511.3041@compuserve.com>,
     QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [7261] Re: NN1G, WJ2V, and K5FO SW-40+
Message-ID: <199803302109_MC2-3871-9B96@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Alan:

Well I will be happy just to work them :-). Wouldn't it be great if
conditions made it possible? To me, it will be enough simply to check
their logs following tomorrow's runs.

Hard to believe three FOXes simultaneously with only one hour to get it
done. Wow! At any rate, good luck to you and everyone else.

Best wishes and thanks in advance to the Three Foxkateers <VBG>.

72/73,
--Doc Lindsey/K0EVZ   Rochester, MN--Home of the Mayo Clinic.

MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Mon, 30 Mar 1998 21:11:03 EST
From: K5BDZ <K5BDZ@aol.com>
To: wb5rue@stic.net, qrp-l@Lehigh.EDU
Subject: [7262] Re: Grounding antennas
Message-ID: <6fb54d3b.352050b9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

If my earlier comments on lightning blowing up my R5 vertical and other advice concerning grounding antennas accidentally led anyone to believe that antennas should NOT be grounded, then I am really slipping in the keyboards.
GROUND YOUR ANTENNAS, TOWER, and anything else that may be an obvious lightning attractor. I wrote an article on how to minimize lightning problems, diffuse static electricity build-up etc. for QRP-L a few months ago, which was picked up and printed (with my permission) by a northern Calif. QRP club.
I have and always have had the utmost respect for lightning.
SO ANYONE READING< GROUND YOUR SYSTEM!!!!!!!
Bill, K5BDZ

Date: Mon, 30 Mar 1998 16:34:45 -0500
From: nilsbull@juno.com (Nils R Young)
To: rakefet@rakefet.com
Cc: qrp-l@Lehigh.EDU
Subject: [7263] Re: 10-meter beam wanted
Message-ID: <19980330.211416.10102.1.nilsbull@juno.com>

Vic,

Best way to get a cheap 10 meter beam is to get one off a disgruntled or bored CBer. You may even find one at your local truck stop or radio store. Add 'em elements 'til hit pegs the meter on 'em skip stashuns fer shore!

Me? I built my own out of dead aluminum stuff I got off a kid down the
street.

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Mar 1998 20:23:58 -0600
From: "edwin a. crowell" <w5twr@rconnect.com>
To: qrp-l@Lehigh.EDU
Cc: w5twr@rconnect.com
Subject: [7264] antenna thread
Message-ID: <3.0.32.19980330202355.00c4eefc@rconnect.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi guys, i am an advocate of the kiss principle. many years ago, i
started reading lew mccoy in qst magazine. i was very young just having
gotten my novice call, wn9dnk. he made a lot of sense to me. besides i
didn't know a lot of theory then (or maybe now). he said pick the two
farthest support points on your real estate. cut a wire that long so that
it will reach from one to the other. fold in half and install a center
insulator in the middle (were else is the center?). put an insulator on
each end. then take open wire feeders and connect them to the center wires
on each side and run them into the shack.   now comes the most important
part-----
     connect them to the transmatch and run the coax to the transmitter. even
with a g5rv, you need a transmatch. it can be a balanced tuner which some
claim is more efficient because there are no losses in the balun but it can
be any variant of the "t" match or "l" network with a balun.
     i still think lew was right. the biggest antenna grabs then most
electromagnetic waves. to use a shorter antenna does not prevent one from
making contacts, it only handicaps the operator--even yagis and wire arrays

use half wave elements to create gain. my problem is to find the room to run a wire long enough for 160 meters. most of us are lucky to find a lot 135 feet long on which to erect our skyhooks.
     to wit, make the best of what you have. use copper wire whether copper-weld, stranded or solid, annealed or soft drawn, but make it as long as you can. feed it with the lowest loss transmission line you can find or make (ladder line). but always use a transmatch to bring the impedance down to 52 ohms at which your rig has been designed to operate most efficiently.

     anything else i do is a compromise. god bless lew mccoy.
                                                  72, ed

P.S. let's all go hear adrian weiss at the qrp banquet; he's talking about antennas.
     see: http://www.willapabay.org/~bill/page7.html

Date: Mon, 30 Mar 1998 21:32:41 -0500 (EST)
From: Robert Parks <rob3ert@vegas.infi.net>
To: wb5rue@stic.net
Cc: qrp-l@Lehigh.EDU
Subject: [7265] RE: Insulated Antenna Wires
Message-ID: <199803310232.VAA16817@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Kevin,

You must REALLY get out, using radio-active wire for an antenna!!!!

72/73

Bob Parks
K6AEC (Las Vegas)

At 07:13 PM 3/30/98 -0600, you wrote:
snip------
>just throw it away. Thus I have lots of rolls of #14, #12 and such
polonium
^^^^^^^^
wire
>that makes excellent antenna wire.
>
>Kevin, WB5RUE

>
>
>

Date: Mon, 30 Mar 1998 19:10:16 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Kevin Muenzler - WB5RUE <wb5rue@stic.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7266] RE: Insulated Antenna Wires
Message-ID: <Pine.SOL.3.96.980330190910.24784A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Kevin,

Remember this..... free wire ALWAYS works better
than "paid for" wire! :-)

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 30 Mar 1998 22:35:06 EST
From: B1ljohn <B1ljohn@aol.com>
To: mwattcpa@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [7267] Re: Grounding antennas
Message-ID: <27a5488d.3520646b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Marty,

Me too! Lightening is a strange thing and I agree to what you have written.
My previous writing was to make light of someone grounding the antenna in the
shack. I believe it is wiser to do so outside the shack. Definitely do leave
the equipment connected, etc. I hope this message to you and the rest will

quell all the response as a result of what I thought would be a light hearted response.

Bill

Date: Mon, 30 Mar 1998 22:52:13 EST
From: B1ljohn <B1ljohn@aol.com>
To: wb5rue@stic.net, qrp-l@Lehigh.EDU
Subject: [7268] Re: Grounding antennas
Message-ID: <82177795.3520686f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I took it with less than a positive feeling. I agree with what you do.... Disconnect your equipment!!!! Ground the stuff outside the house.

Date: Mon, 30 Mar 1998 20:52:38 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: qrp-l@Lehigh.EDU
Subject: [7269] Re: 10-meter beam wanted
Message-ID: <35207696.349BAE8B@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nils R Young wrote:

> Me? I built my own out of dead aluminum stuff I got off a kid down the
> street.

OK, I've gotten a bunch of replies and they all say the same thing: "build one, you
lazy bum." I actually have a bunch of 'dead aluminum stuff' around, but the most interesting idea was 'make a PVC quad'. That sounds like something cheap, so I'll go
for it. Suggestions for how to attach the elements to the boom, the boom to the mast, and anything else relevant are hereby solicited!

Vic, K2VCO

Date: Tue, 31 Mar 1998 04:50:23 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: Qrp-l List <qrp-l@Lehigh.EDU>
Subject: [7270] golly gee, would this work?
Message-ID: <352067FF.BA508C3E@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm getting old and hate to climb my tower. Should I put a boat pulley or a clothes line pulley off of my 10 foot boom made of plastic water pipe under my beam and what kind of line should I use to pull the antennas up with. do you think I should get that black dacron uv protected line or just some stuff from the local hardware store? I probably can't start this project until the weather gets bad again or the antenna wont work any foxes next year. These decisions are always so hard to make , I just don't know what I would do with out all your input! If you send me the messages 2 or 3 times I am bound to understand them better. If you send them on APRIL FIRST it would be even better!

Walt k8cv

Date: Mon, 30 Mar 1998 23:57:52 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: klqrp@waterw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7271] Re: Knightlights trip to CORE BANKS
Message-ID: <Pine.BSI.3.96.980330235402.2622B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That's easy, you just need four of those big balloons to hold it up and some long ropes and Four good men who are willing to walk a bit. Maybe substitute four dune buggies and drivers. :^) Or you could just hire the "GOODYEAR" for the weekend. :^)

Sir George, The First :^)

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Mon, 30 Mar 1998, LYN wrote:

> Gang,
>
>   I've just got to tell you that the QRP expedition
> to Core Banks was almost unbelievable! It was a GREAT
> trip! We put up more antennas, flew more kites with
> beacons, worked more stations all over the world, and
> walked more miles through the sand than I ever thought
> would happen! The weather was absolutely ideal.
>
>   The pictures are being processed and will be
> made available asap.
>
>   Seriously, anyone who doesn't get in on this kind
> of fun just doesn't like fun! We're already beginning
> to talk about our next trip. Now's the time if you
> want to get in on it. Now, if we can just figure out
> how to rotate a rhombic ...
>
> 73,
> Lyn, W4WDN
> ====================== KL QRP Club Mailing List ====================
> To unsubscribe from this list, send email to listserver@waterw.com
> and put the text "unsubscribe klqrp" in the message. To post a
> message to the list, send email to klqrp@waterw.com.
>

Date: Tue, 31 Mar 1998 00:11:43 EST
From: GERALDCUND <GERALDCUND@aol.com>
To: steve@pell.net
Cc: qrp-l@Lehigh.EDU
Subject: [7272] Re: TenTec kits
Message-ID: <862a6f24.35207b11@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I built the 1340 several months ago. I usually use an Oak Hills Research

Explorer II. So I'll make my comparision with it. The OHR has a multiturn dial and it is marked with the frequency. The 1340 has a dial marked 1 through 10. It is a regular Pot. You must make a chart (provided in the kit) to show where you are in the band. ie. 5=7.40, 7=7.060,etc. The OHR has an adjustable filter the 1340 does not. The 1340 has a speaker and earphone jack, the OHR has the earphone jack only. The 1340 uses RCA jacks (one is output), the OHR uses 2 different jacks (1/4" for key, and power jack) both have so239 for the antenna connection. The OHR puts out 2.5w the1340 3w.

Both kits were easily assembled. Both will provide you with a rig you can be proud of. The Explorer II is probably replaced by now. Maybe someone could compare it to an OHR 100 or similarly priced rig. I have seen unassembled Explorer II and Classics at hamfest.

I hope this gives you some insight Steve. Any of the leading kits should give you some valuable experience.

Gerald,KE4LIA

Date: Mon, 30 Mar 1998 22:13:47 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [7273] Fox Hunt Memories...
Message-ID: <199803310513.WAA29007@usr06.primenet.com>

Howdy Folks,

Wow, another Fox season come and gone. Can't believe
how fast it went!

I'd like to give a big ol' thanks to all the Foxes who
let us chase 'em around the SSB drug runners, kilowatt
tuner-uppers, and Russian beacons. Plus thanks to Chuck
for getting this whole mess started. ;-)

I can honestly say I'm a much better operator now due
to the Hunts. I've been able to crack DX pileups that
before would've seemed impossible. I've heard and worked
DX sigs in the noise before anyone else has found 'em.
And I've enjoyed ragchews with folks whose sigs were in
the dirt, but thanks to my Hound training I could still
pull them out - something I just couldn't have done
before. All while QRP, of course!

Plus it was the Fox Hunt that led me to build my Fox Raider 3000 HB vert, a bold, cunning radiator that's opened up new worlds of hamming to me!

I'll miss hearing all the familiar calls in the Pack, but hopefully I'll have a chance to relax and ragchew with all of you for once, instead of just smiling when I hear the Fox hand a Pelt your way. ;-)

Lots of magical Fox memories. Too many to recount here. Like the night at Pinetop, AZ before FYBO - I'd strung my longwire in the snow-covered trees around the motel. Tried in vain to hear KK6MC/5 or the Pack. Finally walked into the motel room dejected, told my wife I was going to break it down. Walked back outside as the snow fell, and suddenly, on a freq I'd RANDOMLY left the rig on, heard "CQ FOX DE KK6MC/5" booming in! Worked Duffey with a minute to spare. Incredible. "Happy Dance" doesn't even begin to describe the maniacal jig that followed. :)

Many more stories like that - Foxii so whisper-quiet that a fly walking on the wall would've QRM'd 'em, pileups so heavy that it sounded like a kilowatt of random broadband RF, AB7TK and I trying to work the Fox at the same time ;-) and on and on.

Never thought I'd get that many Pelts - far exceeded all the goals I'd set for my third Fox season, and I have many a sharp-eared Foxii to thank for it! And even if I'd only bagged a few Pelts, the skills I gained were the true payoff.

Think I'll semi-retire as a Hound. Plenty of other folks out there waiting to break the pileups, and I've met all my goals. But if I ever hear a solitary Fox calling CQ, lost and alone without a Pack, I'll be sure to bark at 'em and give 'em a point. Better still, I'll set my sights on every N/T+ Fox I can find!

So thanks for the fun and the memories! It was great! Now if you'll pardon me, the Mrs. mentioned something about a Happy Dance of her own... :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

PS - Congrats to all you N/T+ Foxes!

Date: Tue, 31 Mar 1998 01:00:44 EST
From: victnr@juno.com (Victor E Turner)
To: wb4mnf@atl.org
Cc: qrp-l@Lehigh.EDU
Subject: [7274] Re: WTS(wap) Turbine and constant speed drive for R390A
Message-ID: <19980330.235728.6463.0.Victnr@juno.com>

Bob: I believe your gadget is a bleed-air driven alternator drive from an early model (D) B-52 I was an Electrician responsible for its maintenance. If it has large flanged inlet tubeing (6inch dia or larger) and a flange for mounting a 60 KVA alternator it might be one. These were driven from compressor stage bleed air borrowed from the jet engines. Due to the high compresson this air was verry hot. These are the ultimate boat anchor unless you have a spare J-57 out back.
Victor Turner/WA6EIW
On Sun, 29 Mar 1998 08:28:48 +0100 "Bob Duckworth" <wb4mnf@atl.org> writes:
>A quick follow up.
>
>Still not sure what this is except that it runs generator (not
>included)
>and so far, 3 guys say it runs off bleed air.
>2 guys say it acrually burns fuels. One guy who looked at it
>identified a
>part
>as the "igniter" while another guy who looked at it said it is an "air
>motor"
>
>The more I look, the more it looks like it runs off air. I'll soon
>have a
>photo
>to email to anyone who is interested din looking at it.
>
>-bob
>
>

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 31 Mar 1998 01:37:02 -0600
From: "edwin a. crowell" <w5twr@rconnect.com>
To: PROG922@worldnet.att.net
Cc: qrp-l@Lehigh.EDU
Subject: [7275] Re: antenna thread
Message-ID: <3.0.32.19980331013618.00696090@rconnect.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:56 PM 3/30/98 -0600, you wrote:
>edwin a. crowell wrote:
>>
>> hi guys, i am an advocate of the kiss principle. many years ago, i
>> started reading lew mccoy in qst magazine. i was very young just having
>> gotten my novice call, wn9dnk. he made a lot of sense to me. besides i
>> didn't know a lot of theory then (or maybe now). he said pick the two
>> farthest support points on your real estate. cut a wire that long so that
>> it will reach from one to the other.

<snip>

>>   to wit, make the best of what you have. use copper wire whether
>> copper-weld, stranded or solid, annealed or soft drawn, but make it as long
>> as you can. feed it with the lowest loss transmission line you can find or
>> make (ladder line). but always use a transmatch to bring the impedance down
>> to 52 ohms at which your rig has been designed to operate most efficiently.
>>   anything else i do is a compromise. god bless lew mccoy.
>>
    72, ed
 What feedline do you recomend
>and how can I make a transmatch inexpensively?
>
>thnx in advance es 73
>
>Tim
>--
>Tim, KD5CKP
>QRP-L #1510
>http://home.att.net/~prog922

ok tim, i'm using 450 ohm ladder-line, but open wire feeders can be made with the same wire you use for the antenna. make or buy insulators wide enough to keep the transmission wires parallel and 3-5 inches apart. put them close enough together to maintain the spacing--usually every couple

feet (closer if the spread is narrower).
     as for the transmatch, do you have the antenna handbook? my copy is the 17th edition. see page 25-7. you need two capacitors--100 pf and 350 pf with spacing for 500 volts for up to 200 watts. the inductor is 2 inches, eight turns to the inch fifty turns (about 35 uh). the inductor is 17 turns on each side of the 14 turn tapped link.   (you destroy one turn when you break into the coil each time.)
     the coil should be at least #16 wire to handle 1.5 amps.
     the capacitors will handle 2000 ohm loads without reaching break-down voltages before you feed over 60 watts into the tuner (qro! ???).
     as i mentioned before, you can always go with the un-balanced tuners available on the market with 4:1 baluns, but they are less efficient and may not tune your combination of antenna/feeder-length.
     i can send copies of the section if you don't have access to the antenna handbook. a good place to get the parts for all this is surplus sales of nebraska. their phone number is 1-800-244-4567. they take phone orders and are usually very helpful. standard disclaimers--no connection, just satisfied customer.

72, ed

Date: Tue, 31 Mar 1998 07:44:14 -0500
From: w2bj@juno.com (Barry J Minsky)
To: qrp-l@Lehigh.EDU
Subject: [7276] Portable Antennas
Message-ID: <19980331.074414.3918.0.w2bj@juno.com>

I had a recommendation from someone on the list for the Barker & Williamson AP-10 Window/Portable Antenna. I checked it on the WEB and called the company. Sounds interesting. Does anyone have experience with this antenna?
73/72,
Barry J. Minsky, W2BJ
ARRL, QRP ACRI #8871, FISTS #2701
Quarter Century Wireless Ass'n #29298, Old Old Timers Club #3723
 Adventure Radio Society #359

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 31 Mar 1998 10:34:50 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: qrpl <qrp-l@Lehigh.EDU>
Subject: [7277] Elmer 101: order reminder
Message-ID: <35210D1A.14C1@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In case anyone missed Dave's post, here is the info.
Now is the time to send your check to Small Wonder Labs to get your kit
for the Elmer project. Dave is very close to finishing the orders so if
you want to jump in with everyone, now is the time.

For those of you who reserved a kit and were on my list, your cost is
$50 (plus $3 to help cover shipping if you want to be nice). If you were
not on the list you can still get a kit, Dave has ordered enough parts
to cover quite a few extras. Your cost is $55 (plus $3 to help with
shipping if you want to).

Send your checks now to:
 Small Wonder Labs
  80 East Robbins Ave.
  Newington, CT
  06111

The kits should ship shortly after your check arrives.
Thanks and welcome aboard!
--
72 de kf4trd
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries
 and all knowledge, and if I have all faith, so as to remove
 mountains, but have not love, I am nothing"

Date: Tue, 31 Mar 1998 10:52:31 -0500
From: "Tom Morgan" <liveoak@sccoast.net>
To: "Don Shipman" <DLShips@aol.com>, "David H. Lauten" <dhlauten@juno.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [7278] Operation Core Banks: Complete ZILCH
Message-ID: <000001bd5cbd$03a59700$9fbf74cc@tommorga>
Mime-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

Well, I can say I tried (desperately). I must have listened for more than half the beacons they put up and scrolled up and down the 30M band at least a dozen times, but no WQ4RP or W3RDF heard here. I even tried to contact W3RDF via 2M (gasp- I know, but it is QRP...)thru Wilmington saturday night but got no response. Oh, well. Better luck next time.

AF4HK Tommy

Date: Tue, 31 Mar 1998 10:47:23 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [7279] Re: Insulated Antenna Wires
Message-ID: <v03110702b146a976975b@[132.235.72.188]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>FrConrad wrote:
>>
>> CQ QRPeople,
>>
>> Not to detract from the scintillating discussion about lightening strikes...
>>
>> But....
>>
>> I getting ready to build a G5RV for portable operation. I've seen it said
>> (mixed metaphor if I've ever written one) that insulated wire will work as
>> well for an antenna as bare wire. This would be great because insulated
>>wire
>> is a lot easier to find and to handle. However, using an insulated antenna
>> has a faint smell of "snipe hunt" about it. Are you sure it will work?
>>
>> All opinions welcome.
>>

My experience is that insulated wire works just as good as uninsulated as far as radiating a signal is concerned. Couple of points:

1. Insulated wire will last a lot longer that uninsulated because

of weathering.

2. Insulated wire has a different velocity factor than uninsulated. Insulated wire lengths will be a little shorter for a given frequency than for uninsulated. Therefore in critical applications, such as quad elements, be sure to check resonance frequency with a grid dip meter/ant meter. The difference is not much, but it can be worth checking. 1 to 2% length difference is what I experienced. Depends on what the insulation material is, too. This is NOT CRITICAL IN MOST APPLICATIONS!

3. Before measuring a length for a dipole, attach one end of the wire to a tree or other immovable object.(Brother-in-law on couch works well...) Pull on the other end of the wire with some considerable force, using a pair of pliers to grab the wire. Purpose is to pre-stretch the wire so it will not lengthen after it is installed.

4. Stranded or solid? I use stranded, just because it is more flexible. Solid will work just as good. Probably the real deciding factor is how much it costs! Check around for prices, I've got a roll of 500' #12 stranded for a "song". (Actually, I was asked to QUIT singing...)

Cleaning weathered stranded wire for soldering is pretty tough. Seperate the strands and use sandpaper then solder with a lot of flux. NOTE: Make sure you are wearing shorts instead of pants, so the molten solder blobs will land on your legs and give you "Red badges of Courage." EXTRA BONUS: The neighbors will really enjoy the bizarre ritual dance that you do when that happens! (Been there, done that...how embarrassing!)

5. Need some uninsulated wire but only have insulated? There are little inexpensive tools that slit the insulation on wire and allows you to strip off the insulation as fast as you can pull the tool along the wire!

Keep us informed as to how your antenna turns out!

73 de

********** Amateur Radio **********
*   <><   *
* NN   N SSSSSSS 8888888 OOOOOOO Greg Weinfurtner AEE BSS *
* N N   N S   8   8 O   O Electronic Design Splst *
* N N N SSSSSSS 8888888 O   O Ohio University   Athens *
* N   N N   S 8   8 O   O GO BOBCATS!   *
* N   NN SSSSSSS 8888888 OOOOOOO   EM89WH   *
*   *
*   "Can thou send forth lightnings that they may go and say   *
*   unto thee, 'Here we are'?" Job 38:35   *
*   *
*   gweinfurt1@ohiou.edu   *

*   http://ouvaxa.cats.ohiou.edu/~weinfurtner   *
****

Date: Tue, 31 Mar 1998 11:00:06 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: qrpl <qrp-l@Lehigh.EDU>, Bob Cutter <bcutter@teal.csn.net>
Subject: [7280] Re: Elmer 101: order reminder
Message-ID: <35211306.4482@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Cutter wrote:
>
> What frequencies are available?

Oops, I forgot that part. Please include with your order if you want the
40 meter version or the 30 meter version. The Elmer discussion is going
to be based on the 40 meter version.
SRI.....
--
72 de kf4trd
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries
 and all knowledge, and if I have all faith, so as to remove
 mountains, but have not love, I am nothing"

Date: Tue, 31 Mar 1998 11:30:27 -0500
From: Stewart Whitehouse <STEW_W@compuserve.com>
To: "INTERNET:w1hue@amsat.org" <w1hue@amsat.org>, "Low Power Amateur Radio
Discussion" <qrp-l@Lehigh.EDU>
Subject: [7281] RS Frequency Counter Wanted
Message-ID: <199803311130_MC2-387A-CCFD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Larry and gang,

Don't think there are any left in my area either but I just got a flyer
in the mail with the 22-306UB on sale at $79.99. ($20 savings).

72/73
Stew, KE4YH
Dunedin, Florida - EL88oa

Date: Tue, 31 Mar 1998 08:05:26 -0700
From: E L D <wd7y@pyramid.net>
To: qrp-l@Lehigh.EDU
Subject: [7282] Question
Message-ID: <19980331160239.AAA27193@dialup140.pyramid.net>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit

is there any body out there that has installed the 5W mod on
the NC40a .

I am wondering about the pin outs for the MRF 260, I recieved the transister

from RF Parts in a plastic bag with no diagram. I called the company and got
in
touch with the engineer and he told me what the pinouts were.
I would just like to dobble check with some one else before I install it.

The engineer said with the transister on a table and writing on the device
facing you
and leggs at the bottom, from left to right   B-E-C. Is this correct ????

Thanks 72
Ed WD7Y

Date: Tue, 31 Mar 1998 16:37:54 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [7283] NOVICE/TECH+ FOXHUNT SCORES - FINAL
Message-ID: <199803311637.QAA05109@chuck.dallas.sgi.com>

Gang,

High scores this year and the young kid on the
block just went out and got on the air and
worked a lot of guys. Some of the guys upgraded
early and went into the races with the big guys.

People can say that QRP-L just doesn't have enough
Novice/Tech+'s in the group, but hey, we get 'em
in here and they upgrade in a hurry. The way it
should be done. :-)

Good going John.

--------------------cut here---------------------

FINAL NOVICE AND TECH+ SCORES
March 31, 1998

Total Number of Qs = 562!!!

+-----------------------------------+
+   +
+   FOX SCORES   +
+   +
+-----------------------------------+

W2MBY(ex-KC2CFZ)	John	225 Age 11
KB7MBI	Alan	164
N0GLM	Preston	51
KF4HAW	Dave	38
KB0VRV	Tim	36
N8VZU	Dan	28
KF4TRD	Mike	20

+-----------------------------------+
+   +
+   HUNTERS SCORES   +
+   +
+-----------------------------------+

In no particular order within groups.

```
-------------------------------------------------------------+
K0EVZ(27) W0CH(5) KB0YSN(2) KB0ROL(2) NOHJ(2) KI0II(7) K0SU
          NI0A(21) W0CLR(3) KB0PTE(4) K0ZK KB0ZDF(7) KE0WW(10)
          WB0ROQ(4) KQ0I(5) KB0LMQ WB0T(6) N0YKO
          N0UVR W0DT W0RW(3) KC1FB(3) N0KW N0NI N0TU(4) K0MT
          AB0GO(10) KI0KY(2) WB0QQT W0DAM KG0MZ KB0GGQ N0EUM NG0M
          WB0CGH
-------------------------------------------------------------+
N1QQV(6) AK1P WA1QVM(12) K1HS N1TP(12) KF1PH K1CL W1LP/MM K1NY(2)
         KC1FB(3) N1OCJ N1ODL K1XS  AA1MY
-------------------------------------------------------------+
WZ2T(2) K2VCO KC2CFZ(2) N2MNN KF2PH(2) N2WF(3) N2TNN N2GO KF2HC
        KB2SGM W2JB N2YHT(3) W2UX KA2HJL KG2IM WJ2V
-------------------------------------------------------------+
N3VXI(3) N3XRV(3) N3YSI(4) W3PNL N3WXI KJ3V(4) N3XRV(3) KA3WMJ
         W3VNL N3ZPQ WD3KGO K3VE(2) W3CW N3WDL
-------------------------------------------------------------+
N4SO(8) WB4EXW(11) WD4MNM KU4AF(2) N4ROA(8) AE4IC(2) AE4GX
        K4PYM KK4KF KF4TRD(3) KE4IZH KS4L WD4MSM(2) KD4PUP KS4L
        N4EUK WB4DTC KF4EWO KF4JSV KD4KZQ KF4HZH WS4S KE4RUN(2)
        KC4GIA WD4NAK
-------------------------------------------------------------+
KA5T(12) K5ON(8) KK5KU K5ZTY(2) AA5TA(3) K5ID(6) KE5TC WB5FKC
         K5OI(2) KC5FMZ(2) K5FO N5ALO(2) W5HNS N5GT K5LTY
         AC5JH(5) W5JAY KW5OK(2) N5JKY N5TW(2)
-------------------------------------------------------------+
KI6OY WE6W(7) K6MW N6CHV N6WG(3) N6MM(3) K6VNX(5) K6RPN
      KF6CTA(4) W6SIY KK6MC WA6NAE AA6AD
-------------------------------------------------------------+
W7QQQ KI7MN(2) N7XJW NQ7X(8) W7SSM(2) W7GVN(3) KC7KHD N7VE
      N7CQR(2) KU7Y(12) W7JDZ(3) KB7MBI(4) KA7NOC(3) KL7IXI
      KC7GHH KJ7ZU(2) KI7JL AB7MY(4) KK7GW(3) AB7TT(3) N7KT
      AB7ST
-------------------------------------------------------------+
W8KC WA8GHZ K8DD(2) W8SFF KA8ODQ N8VAR N8VZU(7) K8FF KI8CZ
     KB8RRG NU8Z W8IZZ KC8JIE KC8JNA
-------------------------------------------------------------+
W9UQB(5) AF9T(2) NN9K(2) N9KW(9) KB9IUA(6) AA9UK WB9HFK(3)
         WA9PWP(12) N9AW(2) N9DD KB9GEG(2) K9LJB AE9K W9SUL
         KB9LLH
-------------------------------------------------------------+
KL7CC(2) AL7FS VE3ELA(19) VE3SP(2) VE3TAW VE5RC(16) VE5WF(7)
         VE7CQK(2) G3LAZ VE3JC VE1MT
-------------------------------------------------------------+
```

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Tue, 31 Mar 1998 11:36:48 -0600 (CST)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [7284] RE: Grounding Antennas
Message-ID: <199803311736.LAA19115@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HI gang:
	Perhaps this is too simplistic or too impractical in most cases, However I have been fortunate using wire antennas where I have had the room to do this... at times... and it has worked great...
	Literally drop the antenna to the grnd when a thunderstorm is on the way! and pull it back up when all is clear or when u have the time...
	A couple of pulleys and good rope make this very easy. and u can mark the rope so u know where to tie off the rope without trial and error...
	I know ... impratical in most cases, however works great when u have the conditions to do it this way...
	by the way, had a whopper of a lightning storm last nite... rained like it never wanted to quit... power went out... now the streams and rivers here are out of their banks... in places... and more rain is suspected down the road... At least I don't have to worry about "Wire Frost" any more... :-)
bye now
joel wa5cvm in maine... in 70* wx... God is good to this cajun lad...

God Bless
Joel

WA5CVM
Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)
Gentle Lady (RC Sail Plane)(049 engine - start)
40 mtr loop up 50ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Tue, 31 Mar 1998 13:29:01 -0500
From: Fred Lesnick <flesnick@Quetico.tbaytel.net>
To: njqrp@njqrp.org, qrp-l@Lehigh.EDU

Subject: [7285] A.T.U ans SWR Bridge
Message-ID: <352135ED.529A@tbaytel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all for there input.Looks like the ZM-2 is what i am going
with.Again thank you to all out there.
Fred VE3FAL
QRPL1463

Date: Tue, 31 Mar 1998 11:31:44 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.EDU
Subject: [7286] CQ WPX with HP200LX
Message-ID: <199803311831.LAA09307@smtp04.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Any other QRP-L'rs do the CQ-QPX SSB thing last weekend? I got TR623XT
working on my recently acquired HP200LX and wanted to give it a tryout. For
you HP200LX owners that
would like to interface the HP to your QRP rigs, I finally found after
making my own adapter to the normal CT,NA,TR keyer interface, that the 9
pin/9pin male adapter that comes with the Connectivity Pack does the
job(connects pin6 from the HP to pin 4).
Found the palmtop worked very well with my hunt and peck typing style and
S&P operating. Easier on the neck as I didn't have to tip my head back to
read a normal screen with bi-focals...another plus.
I was running the HP on a pair of nicads that were not fully charged and ran
out of power late Sat. Not a big problem at home here, since I plugged in
the charger/PS and finished the contest. Probably could have put in a
spare/charged set of batteries and finished as well. Will check this out
later. Normally the HP will run 6-8 weeks in intermittant use.
 After the contest, I copied log.dat from the palmtop to my old Toshiba
3100e dos machine, cleaned up the log with the dos editor and ran TR/POST to
do the dupes, summary and final log printouts. This makes a neat compact
field/backpack contesting setup for anyone interested...will use this for
the Border operation coming up.
Results of the WPX:

BAND	VALID QSOs	POINTS	PREFIXES	COUNTRIES
20SSB	76	102	63	
15SSB	80	153	58	
10SSB	79	225	38	

----
                        235   480   159   42
Final Score = 76,320
Used TS850/3 el triband....5 Watts Peak/Av out
Condx didn't seem quite as good as ARRL DX test but worked a couple nice
ones like 3W6WE Vietnam, HK0OEP San Andres, H44RY Solomons, HL2AQN S.Korea,
3D2WC Fiji, DU100SAN Philippines.

72/73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP NORCAL   DX WRKD HF=324 SAT=101 QRP=129

Date: Tue, 31 Mar 1998 11:39:19 -0700
From: David Ek <ekdave@earthlink.net>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [7287] CW filter for IC-706--results
Message-ID: <01BD5C99.A5D39320.ekdave@earthlink.net>

Gang,

A few weeks ago I asked the group for advice on which CW filter to get for
my '706. Let me publicly thank all who replied, and there were many. The
voting was about 50-50 between the 250 Hz and 500 Hz models.

I elected to purchase the 250-Hz model, and I am not disappointed (tho I'd
probably have said the same about the 500). As long as I don't kick it in
until I have the other station tuned, it works great. If I'm calling CQ and
somebody answers off-frequency, I can use my RIT to tune it into the
bandpass, then kick the filter in. Works great. It's so much nicer working
CW on the 706 with a filter!

Thanks again to all -

73 de AB0GO Dave

Date: Tue, 31 Mar 1998 13:18:21 -0600
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [7288] grounding antennas
Message-ID: <199803311918.LAA22473@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Your right, letting the dipole own is just what I do when storms are in
the area , all the way right down to the ground.

ac5ez Larry

Date: Tue, 31 Mar 1998 11:22:34 -0800
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7289] Looking for code course on CD
Message-ID: <35214279.5AC4575D@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

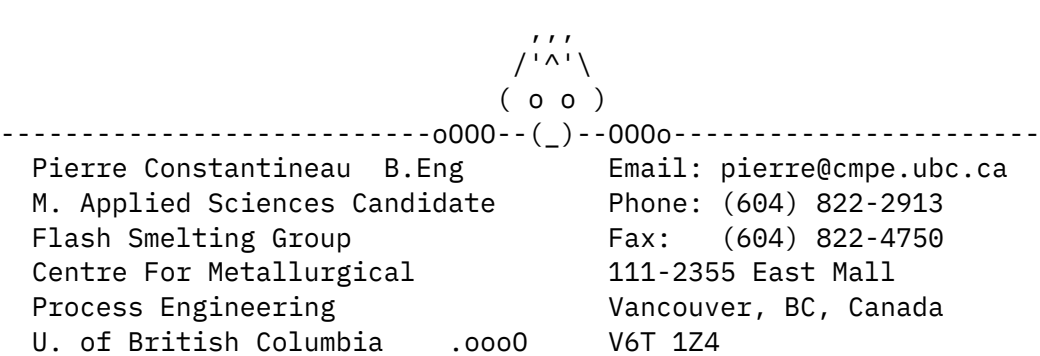
Hi,

In order to get my HF license as well as listen to everyone on the air with the
elmer101 rig, I need to learn code. My intent is to follow Chuck's online
course on his web page. To do so, I need
the ARRL CD set titled "Your Introduction to Morse Code".

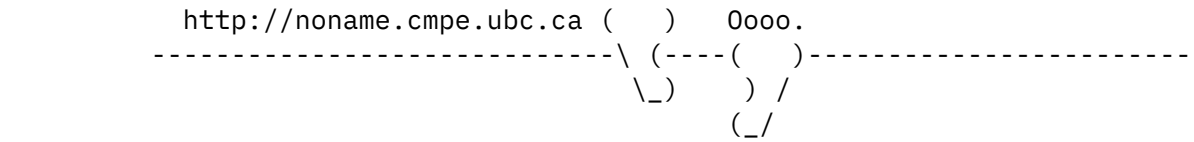
Is anyone on the list ready to part with theirs.

Thanks

VE7JPC
--



  Pierre Constantineau B.Eng   Email: pierre@cmpe.ubc.ca
  M. Applied Sciences Candidate   Phone: (604) 822-2913
  Flash Smelting Group   Fax: (604) 822-4750
  Centre For Metallurgical   111-2355 East Mall
  Process Engineering   Vancouver, BC, Canada
  U. of British Columbia   .oooO   V6T 1Z4



Date: Tue, 31 Mar 1998 11:26:43 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [7290] porta-pwr
Message-ID: <19980331.112644.6750.1.dave_epps@juno.com>

Harbor Freight has a Cordless 12v Compressor on sale for $36.99.
It also includes a power pak for external use.
12 VDC, 6.5 Ah, rechargeable, sealed lead acid, maintenance free.
With AC charger (wall-wart 500 ma) 7-9 hours.
Charge from car battery (motor running) 3-5 hrs.
The whole unit weighs 11 lbs and dimensions are 10.5 (L)x4.25(W)x8.5(H)
inches.
Seems like a great unit for (in the field). Could probably take the
compressor
and lights out of it and put radios in the case.
dave ab5pc fresno, ca.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 31 Mar 1998 14:31:50 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: liveoak@sccoast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7291] Re: Operation Core Banks: Complete ZILCH
Message-ID: <352144A5.746ACE7F@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We worked him on 20M. First call. Was running MFJ into delta loop at campsite on

St
George.

Henry

Tom Morgan wrote:

> Gang:
>
>   Well, I can say I tried (desperately). I must have listened for more
than
> half the beacons they put up and scrolled up and down the 30M band at least
> a dozen times, but no WQ4RP or W3RDF heard here.

Date: Tue, 31 Mar 1998 13:45:21 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [7292] QRP DVM
Message-ID: <3.0.1.32.19980331134521.0069c700@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

I bought one of the CEN-TECH DVMs (China) from Harbor Freight that they had
for 15 bucks. Has only 1 meg input resistance but seems to be accurate
enough for general use (about 1% +/- 2 digits DC and resistance). It's
small and doesn't cover the palm of my hand but the digits are large and
are backlighted (LEDs) if needed. Also includes diode checking and has
beta testing positions. It uses a 9V battery.

72/73 -- Chuck, W5USJ, EM22cv
Rains County, Eagle Capitol of Texas
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Tue, 31 Mar 1998 14:56:49 -0800
From: Bill Crowley <bcrow@Carte.Net>
To: qrp-l@Lehigh.EDU
Subject: [7293] Thunderstorms?
Message-ID: <352174B1.2112@carte.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey folks, watch out for those transplanted Cajun types. It must be the water up here in Maine that causes them to wig out, or something. Joel, WA5CVM, says he had a thunderstorm last night.

Well, I don't want to say he's pulling your leg, but...

He's in Maine, this is March, and here I am 70 miles SOUTH of him in typical weather for the date: 10 below zero, snowing like a bandit, and the wind wicked out of the North!

Joel, my transplanted Cajun friend, you've GOT to stay out of that bottle you keep in the cupboard "for medicinal purposes!" April fool to you too, and watch out for the wire frost!

72/73 de Bill, K1NIT

Date: Tue, 31 Mar 1998 14:56:06 -0600
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-l@Lehigh.EDU>
Subject: [7294] duplexers
Message-ID: <01bd5ce7$6cbd7bc0$ae6afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was scrounging through the ARRL 1998 handbook looking for construction details of a duplexer. The "duplexers" are listed in the index, but turning to the indicated page.. nil! I want to know how a duplexer is constructed. I.e. a device that would allow the use of two transceivers to one antenna, or one transceiver to two antennas???
Anyone who can point me in the right direction?

regards,

Foxy
If it ain't broke, don't mess with it!

Date: Tue, 31 Mar 1998 21:56:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7295] 300 MHz, 10:1 Scope Probes: TRADE?
Message-ID: <35216684.4B43@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, the trade fell thru so these are back on the market:

FOR TRADE: Set of TWO, 300 MHz 10:1 Scope Probes. Includes
            ground clips and hook-grabber tips on each probe.

            Compensates for 1 Mohm, 9 to 16 pF scope inputs.
            Condition of Probes, (1-10) is: 9.95.

Trades Only.

Wanted: (Feel Free to make OFFERS!)

      General Coverage Receiver. Prefer HF Bands+ 6 Meters.
      Anything ANTENNA RELATED -- Portable masts, antennas,
                                  antenna bridges/analyzers etc.
      Anything CW related ------- Bugs, Sturdy Brass keys (Nice ones.)
                                  Morse Tutor!
      Multiband transceiver with 160Meter band?

I will not scoff at any offers! E-mail any question to me.

Thanks for the bandwidth.

72/Ed Loranger we6w

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Tue, 31 Mar 1998 16:12:08 -0600
From: Kevin Muenzler--WB5RUE <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7296] RE: grounding antennas

Message-ID: <01BD5CBF.C2612FE0@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On ac5ez@webtv.net, Larry B[SMTP:ac5ez@webtv.net] wrote:
> Your right, letting the dipole own is just what I do when storms are in
> the area , all the way right down to the ground.
>
> ac5ez Larry
>
>
>
>
>
>
>

Actually letting the dipole down to the ground won't do much other than
"prevent" a direct strike. Unless it is grounded (no insulation on wire)
a close strike will induce just about as much current if it is on the
ground as it would if it was 20 feet in the air. Don't get a false
sense of security here!

Kevin, WB5RUE

Date: Tue, 31 Mar 1998 17:01:29 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: waltk8cv@ameritech.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7297] Re: golly gee, would this work?
Message-ID: <352167B9.26C8@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If it were I, and I hate to climb; I'd use the stuff that's going to
last the longest.
--
****
****

73 de
KI8CZ
Tom Isgro
OHIO

http://www.qsl.net/ki8cz

10-X #68364 SCI #1479 QRP-L #945 ARS #203 ARCI #9606
C.A.T.T #2115 FIST 2360 NORCAL ARRL

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Date: Tue, 31 Mar 1998 15:17:40 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: Joe Gervais <vole@primenet.com>, azqrp@dancris.com, qrp-l@Lehigh.EDU
Subject: [7298] Re: AZ Hound Report
Message-ID: <199803312217.PAA04592@smtp01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hey, not too bad for the AZ Fox Hunters. Congrats
>Floyd! I've made a ranked list of all Hounds who
>bagged at least five Pelts. Considering there were
>over 380 Hounds, I think we did pretty darn great!
>
>Floyd - 1st
>Me - 3rd (tie, 2-way)
>Dan - 10th
>Gary - 13th (tie, 2-way)
>Bob - 21st (tie, 2-way)
>Roger - 23rd (tie, 2-way)
>Bertie - 24th (tie, 4-way)
>N7IR - 27th (tie, 6-way)
>W7QQQ - 31st (tie, 3-way)
>The Mikes - 38th (tie, 7-way)
>Kent - 39th (tie, 6-way)
>Brian & Rod - 44th (tie, 22-way)
>>>>>>Joe..AB7TT<<<<<<<<<<<<<<<<<
>
Yep we ScQRPed em good.....Congrats & tnx to ALL!!!!!! Ya all done gud.....
>

So what do we do now? :-)
>
Got my HP200 set up with TR for QRP contesting. Anybody besides Mike, Brian
and Me
interested in doing a little Club Contesting...CU all Sat at the LUBY LAIR.
Should
be a big group this time.
72/73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL AMSAT ARCI G-QRP NORCAL   DX WRKD HF=324 SAT=101 QRP=129

Date: Tue, 31 Mar 1998 17:28:32 EST
From: B1ljohn <B1ljohn@aol.com>
To: jdenison@morelr.com, qrp-l@Lehigh.EDU
Subject: [7299] Re: Grounding Antennas
Message-ID: <4babe78a.35216e12@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Joel,

Interesting way to reduce the lightening risk. Hope you didn't get to soaked.
We are getting it here in MN. It has rained all day and the ground was
saturated this a.m. so here come the floods. We're sending all the water down
south so keep a good lookout and keep those radios high and dry.

Bill
K9YEQ

Date: Tue, 31 Mar 1998 14:50:35 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [7300] Fox hunt season closes
Message-ID: <01bd5cf7$6aeb1270$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And what a season it was!

Looks like 380 winners this year.

Who would have believed, as we began the year, the size of the pileups?

Congratulations to Top-Dog NQ7X and Slyest-Fox W5FN. Outstanding accomplishment!

When does the next one start?

Mike K1MG

Date: Tue, 31 Mar 1998 18:01:04 -0500
From: Bob <hb_elec@ids.net>
To: qrp-l@Lehigh.EDU
Subject: [7301] CQ RI, WAS
Message-ID: <3.0.1.32.19980331180104.006d50f4@mail.ids.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi there,

Some of you were looking for Rhode Island (The Ocean State) for WAS/QRP.

I would be glad to set up a sched with any one intrested.

Send me a private E-Mail and we will work out the details.

Bob- N1PWU
East Greenwich, RI
(just south of Providence)

Bob N1PWU - HB Electronics
<http://users.ids.net/~hb_elec>

Date: Tue, 31 Mar 1998 17:05:16 -0600
From: "ukii" <ukii@megsinet.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [7302] Advice on new rig,Yaesu 920??

Message-ID: <001a01bd5cf9$7a281060$3d4e85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings Gang.
Well,seems as if my wife has heard enough "Dag Nabit! Cant this
guy hear ME!" and many other much more colorful phrases coming from the
shack that she said,,,, "OK,get that radio you NEED"...
Well,I have been looking at the new Yaesu 920. Thats the
price range I am looking at. Anyone have any experience/comments
please? I would have liked the TenTec Omni6 but for almost a grand
more,and NO tuner or power supply built in,well,cant justify that...
Please,am looking to go to the Superfest deal up at
AES Mil. this weekend and might order it there if no negative comments.
Oh,ok,QRP: Yes,it looked like it will turn down to under 5 watts...
Thanks Much Gang,what would I do without you?
                                          (Call Mr..Rogers?)
Best 73 de john
n9ukx

Date: Tue, 31 Mar 1998 16:45:44 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [7303] Re: Fox hunt season closes
Message-ID: <199803312345.QAA14615@usr02.primenet.com>

Howdy,

Mike (K1MG) wrote:
>
> And what a season it was!
>
> Looks like 380 winners this year.

Heck yeah! Now the question is how many folks are going
to give their antenna setup a hard look when the snow
thaws? It's amazing the difference an efficient antenna
can make for your QRP sig!

BTW, should Hounds who were also Foxes get a little
asterisk by their name in the scoring? I noticed that

W5FN probably would've tied me and AB5UA for third
if he hadn't been so busy setting an all-time record
for number of Hounds worked. :-)

Or at the very least, can we buy all you Foxes lunch? :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

Date: Tue, 31 Mar 1998 16:56:12 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: ukii@megsinet.net
Cc: qrp-l@Lehigh.EDU
Subject: [7304] Re: Advice on new rig,Yaesu 920?
Message-ID: <199803312356.QAA15658@usr02.primenet.com>

Howdy,

John (N9UKX) wrote:
>
> Well,seems as if my wife has heard enough "Dag Nabit! Cant this
> guy hear ME!" and many other much more colorful phrases coming from the
> shack that she said,,,, "OK,get that radio you NEED"...

Now maybe I've got this all backwards, but
if you've been pining about folks not hearing
you, shouldn't you be investing in a Force-12
monster atop a 120-ft tower instead of a new
ricebox? :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Ricola!" -- Pinky and the Brain

End of QRP-L Digest 1046
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